

Amendments to the Claims:

1. (Cancelled)

2. (Currently Amended)

The support mechanism of ~~claim 1~~ claim 3 wherein the first and second support arms and first and second synchronizing arms are operatively connected with one another in a manner so that a first plane passing through the load-supporting platform and a second plane passing through the base member maintain a substantially parallel relationship with one another throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions.

3. (Currently Amended)

~~The support mechanism of claim 1 wherein~~ A support mechanism, the support mechanism comprising:

a base member adapted for supporting the support mechanism from a support surface;

a first support arm having a distal end pivotally connected to a pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first support arm relative to the support surface between a stowed position and a deployed position, the distal end of the first support arm being generally adjacent the support surface when the first support arm is in its stowed position and spaced from the support surface when the first support arm is in its

deployed position, the distal end of the first support arm includes including a first geared portion[[and]];

a first synchronizing arm generally adjacent to the first support arm, the first synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first synchronizing arm relative to the support surface, the first synchronizing arm and first support arm being operatively connected to the pivot bracket and base member in a manner so that the first synchronizing arm and first support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the first support arm between its stowed and deployed positions;

a second support arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to a load-supporting platform in a manner to permit pivoting movement of the second support arm relative to the load-supporting platform between a stowed position and a deployed position, the distal end of the second support arm includes including a second geared portion; and

a second synchronizing arm generally adjacent to the second support arm, the second synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the load-supporting platform in a manner to permit pivoting movement of the second synchronizing arm relative to the load-supporting platform, the second synchronizing arm and second support arm being operatively connected to the pivot bracket and load-supporting platform in a manner so

that the second synchronizing arm and second support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the second support arm between its stowed and deployed positions;

the first and second support arms and first and second synchronizing arms being operatively connected with one another in a manner so that the load-supporting platform moves substantially along a fixed vertical axis as the first and second support arms move between their respective stowed and deployed positions, the first and second geared portions being in meshed engagement with one another throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions, whereby in manner such that movement of one of the first and second support arms between its stowed and deployed positions requires corresponding movement of the other of the first and second support arms between its stowed and deployed positions.

4. (Currently Amended)

The support mechanism of ~~claim 1~~claim 3 wherein the first and second support arms extend from the pivot bracket generally in the same direction, when the first and second support arms are in their respective stowed positions.

5. (Currently Amended)

The support mechanism of ~~claim 1~~claim 3 wherein first and second support arms lie in the same substantially vertical plane throughout the entire range of movement of

the first and second support arms between their respective stowed and deployed positions.

6. (Original)

The support mechanism of claim 5 wherein the first support arm extends upwardly and generally in a first direction from the platform when the first support arm is in its deployed position, and wherein the second support arm extends upwardly and generally in an opposite second direction from the pivot bracket when the second support arm is in its deployed position.

7. (Currently Amended)

The support mechanism of ~~claim 1-claim 3~~ wherein an angle defined by the first and second support arms increases from about zero degrees when the first and second support arms are in their respective stowed positions to more than 180 degrees as the first and second support arms are moved toward their respective deployed positions.

8. (Currently Amended)

The support mechanism of ~~claim 1-claim 3~~ wherein at least one of the base member and pivot bracket includes a first stop member that engages against the first support arm to prevent pivoting movement of the first support arm beyond its deployed position, and wherein an angle between the support surface and first support arm increases from about zero degrees when the first support arm is in its stowed position to more than 90 degrees as the first support arm is moved toward its deployed position,

whereby the first support arm is held in its deployed position against the first stop by gravity.

9. (Original)

The support mechanism of claim 8 wherein at least one of the pivot bracket and load-supporting platform includes a second stop member that engages against the second support arm to prevent pivoting movement of the second support arm beyond its deployed position, and wherein an angle between the load-supporting platform and second support arm increases from about zero degrees when the second support arm is in its stowed position to more than 90 degrees as the second support arm is moved toward its deployed position, whereby the second support arm is held in its deployed position against the second stop by gravity.

10. (Currently Amended)

~~The support mechanism of claim 1 wherein~~ A support mechanism, the support mechanism comprising:

a base member adapted for supporting the support mechanism from a support surface;

a first support arm having a distal end pivotally connected to a pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first support arm relative to the support surface between a stowed position and a deployed position, the distal end of the first support arm being generally adjacent the support surface when the first support arm is in its stowed

position and spaced from the support surface when the first support arm is in its deployed position, the first support arm extends extending upwardly and generally in a first direction from the platform when the first support arm is in its deployed position, and wherein:

a first synchronizing arm generally adjacent to the first support arm, the first synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first synchronizing arm relative to the support surface, the first synchronizing arm and first support arm being operatively connected to the pivot bracket and base member in a manner so that the first synchronizing arm and first support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the first support arm between its stowed and deployed positions;

a second support arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to a load-supporting platform in a manner to permit pivoting movement of the second support arm relative to the load-supporting platform between a stowed position and a deployed position, the second support arm extends extending upwardly and generally in an opposite second direction from the pivot bracket when the second support arm is in its deployed position, and wherein the support mechanism further comprises:

a second synchronizing arm generally adjacent to the second support arm, the second synchronizing arm having a distal end pivotally connected to the pivot bracket

and a proximal end operatively connected to the load-supporting platform in a manner to permit pivoting movement of the second synchronizing arm relative to the load-supporting platform, the second synchronizing arm and second support arm being operatively connected to the pivot bracket and load-supporting platform in a manner so that the second synchronizing arm and second support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the second support arm between its stowed and deployed positions; and

a lanyard with a having a first end connected to at least one of the first support arm, second support arm and pivot bracket, the lanyard being adapted to transmit tensile force between the first end and a distal second end, whereby application of a tensile force to the distal second end of the lanyard generally in the second direction causes the first and second support arms to move back to their respective stowed positions;

the first and second support arms and first and second synchronizing arms being operatively connected with one another in a manner so that the load-supporting platform moves substantially along a fixed vertical axis as the first and second support arms move between their respective stowed and deployed positions.

11. (Currently Amended)

The support mechanism of claim 1-claim 3 wherein the base member is connected to the support surface in a manner to permit rotating movement of the support mechanism about a generally vertical axis.

12. (Cancelled)

13. (Currently Amended)

The support mechanism of ~~claim 12~~ claim 15 wherein the first and second support arms and first and second synchronizing arms are operatively connected with one another in a manner so that the load-supporting platform moves substantially along a fixed vertical axis as the first and second support arms move between their respective stowed and deployed positions.

14. (Currently Amended)

The support mechanism of ~~claim 12~~ claim 15 wherein the load-supporting platform is spaced a first distance from the support surface when the first and second support arms are in their respective stowed positions and spaced a second distance from the support surface when the first and second support arms are in their respective deployed positions, the second distance being greater than the first distance.

15. (Currently Amended)

~~The support mechanism of claim 12 wherein~~ A support mechanism, the support mechanism comprising:

a base member adapted for supporting the support mechanism from a support surface;

a first support arm having a distal end pivotally connected to a pivot bracket and

a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first support arm relative to the support surface between a stowed position and a deployed position, the distal end of the first support arm being generally adjacent the support surface when the first support arm is in its stowed position and spaced from the support surface when the first support arm is in its deployed position, the distal end of the first support arm includes-including a first geared portion[[and]];

a first synchronizing arm generally adjacent to the first support arm, the first synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first synchronizing arm relative to the support surface, the first synchronizing arm and first support arm being operatively connected to the pivot bracket and base member in a manner so that the first synchronizing arm and first support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the first support arm between its stowed and deployed positions;

a second support arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to a load-supporting platform in a manner to permit pivoting movement of the second support arm relative to the load-supporting platform between a stowed position and a deployed position, the distal end of the second support arm includes-including a second geared portion; and

a second synchronizing arm generally adjacent to the second support arm, the

second synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the load-supporting platform in a manner to permit pivoting movement of the second synchronizing arm relative to the load-supporting platform, the second synchronizing arm and second support arm being operatively connected to the pivot bracket and load-supporting platform in a manner so that the second synchronizing arm and second support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the second support arm between its stowed and deployed positions;

the first and second support arms and first and second synchronizing arms being operatively connected with one another in a manner so that a first plane passing through the load-supporting platform and a second plane passing through the base member maintain a substantially parallel relationship with one another throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions, the first and second geared portions being in meshed engagement with one another throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions, whereby in a manner such that movement of one of the first and second support arms between its stowed and deployed positions requires corresponding movement of the other of the first and second support arms between its stowed and deployed positions.

16. (Currently Amended)

The support mechanism of ~~claim 12-claim 15~~ wherein first and second support arms lie in the same substantially vertical plane throughout the entire range of

movement of the first and second support arms between their respective stowed and deployed positions.

17. (Original)

The support mechanism of claim 16 wherein the first support arm extends upwardly and generally in a first direction from the platform when the first support arm is in its deployed position, and wherein the second support arm extends upwardly and generally in an opposite second direction from the pivot bracket when the second support arm is in its deployed position.

18. (Currently Amended)

The support mechanism of ~~claim 12-claim 15~~ wherein an angle defined by the first and second support arms increases from about zero degrees when the first and second support arms are in their respective stowed positions to more than 180 degrees as the first and second support arms are moved toward their respective deployed positions.

19. (Currently Amended)

The support mechanism of ~~claim 12-claim 15~~ wherein at least one of the base member and pivot bracket includes a first stop member that engages against the first support arm to prevent pivoting movement of the first support arm beyond its deployed position, and wherein an angle between the support surface and first support arm increases from about zero degrees when the first support arm is in its stowed position to more than 90 degrees as the first support arm is moved toward its deployed position,

whereby the first support arm is held in its deployed position against the first stop by gravity.

20. (Original)

The support mechanism of claim 19 wherein at least one of the pivot bracket and load-supporting platform includes a second stop member that engages against the second support arm to prevent pivoting movement of the second support arm beyond its deployed position, and wherein an angle between the load-supporting platform and second support arm increases from about zero degrees when the second support arm is in its stowed position to more than 90 degrees as the second support arm is moved toward its deployed position, whereby the second support arm is held in its deployed position against the second stop by gravity.

21. (Currently Amended)

~~The support mechanism of claim 12 wherein~~ A support mechanism, the support mechanism comprising:

a base member adapted for supporting the support mechanism from a support surface;

a first support arm having a distal end pivotally connected to a pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first support arm relative to the support surface between a stowed position and a deployed position, the distal end of the first support arm being generally adjacent the support surface when the first support arm is in its stowed

position and spaced from the support surface when the first support arm is in its deployed position, the first support arm extends extending upwardly and generally in a first direction from the platform when the first support arm is in its deployed position, and wherein:

a first synchronizing arm generally adjacent to the first support arm, the first synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first synchronizing arm relative to the support surface, the first synchronizing arm and first support arm being operatively connected to the pivot bracket and base member in a manner so that the first synchronizing arm and first support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the first support arm between its stowed and deployed positions;

second support arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to a load-supporting platform in a manner to permit pivoting movement of the second support arm relative to the load-supporting platform between a stowed position and a deployed position, the second support arm extends extending upwardly and generally in an opposite second direction from the pivot bracket when the second support arm is in its deployed position, and wherein the support mechanism further comprises:

a second synchronizing arm generally adjacent to the second support arm, the second synchronizing arm having a distal end pivotally connected to the pivot bracket

and a proximal end operatively connected to the load-supporting platform in a manner to permit pivoting movement of the second synchronizing arm relative to the load-supporting platform, the second synchronizing arm and second support arm being operatively connected to the pivot bracket and load-supporting platform in a manner so that the second synchronizing arm and second support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the second support arm between its stowed and deployed positions; and

a lanyard ~~with a~~ having a first end connected to at least one of the first support arm, second support arm and pivot bracket, the lanyard being adapted to transmit tensile force between the first end and a distal second end, whereby application of a tensile force to the distal second end of the lanyard generally in the second direction causes the first and second support arms to move back to their respective stowed positions;

the first and second support arms and first and second synchronizing arms being operatively connected with one another in a manner so that a first plane passing through the load-supporting platform and a second plane passing through the base member maintain a substantially parallel relationship with one another throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions.

22. (Currently Amended)

The support mechanism of ~~claim 12~~ claim 15 wherein the base member is

connected to the support surface in a manner to permit rotating movement of the support mechanism about a generally vertical axis.

23. (Original)

A support mechanism, the support mechanism comprising:

a base member adapted for supporting the support mechanism from a support surface;

a first support arm having a distal end pivotally connected to a pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first support arm relative to the support surface between a stowed position and a deployed position, the distal end of the first support arm being generally adjacent the support surface when the first support arm is in its stowed position and spaced from the support surface when the first support arm is in its deployed position, the distal end of the first support arm having a first geared portion;

a first synchronizing arm generally adjacent to the first support arm, the first synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the base member in a manner to permit pivoting movement of the first synchronizing arm relative to the support surface, the first synchronizing arm and first support arm being operatively connected to the pivot bracket and base member in a manner so that the first synchronizing arm and first support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the first support arm between its stowed and deployed positions;

a second support arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to a load-supporting platform in a manner to permit pivoting movement of the second support arm relative to the load-supporting platform between a stowed position and a deployed position, the distal end of the second support arm having a second geared portion; and

a second synchronizing arm generally adjacent to the second support arm, the second synchronizing arm having a distal end pivotally connected to the pivot bracket and a proximal end operatively connected to the load-supporting platform in a manner to permit pivoting movement of the second synchronizing arm relative to the load-supporting platform, the second synchronizing arm and second support arm being operatively connected to the pivot bracket and load-supporting platform in a manner so that the second synchronizing arm and second support arm maintain a substantially parallel relationship with one another throughout the entire range of movement of the second support arm between its stowed and deployed positions;

wherein the first and second support arms are connected to the pivot bracket in a manner so that the first and second geared portions are in meshed engagement with one another throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions, whereby movement of one of the first and second support arms between its stowed and deployed positions requires corresponding movement of the other of the first and second support arms between its stowed and deployed positions.

24. (Original)

The support mechanism of claim 23 wherein the first and second support arms and first and second synchronizing arms are operatively connected with one another in a manner so that the load-supporting platform moves substantially along a fixed vertical axis as the first and second support arms move between their respective stowed and deployed positions.

25. (Original)

The support mechanism of claim 23 wherein the first and second support arms and first and second synchronizing arms are operatively connected with one another in a manner so that a first plane passing through the load-supporting platform and a second plane passing through the base member maintain a substantially parallel relationship with one another throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions.

26. (Original)

The support mechanism of claim 23 wherein first and second support arms lie in the same substantially vertical plane throughout the entire range of movement of the first and second support arms between their respective stowed and deployed positions.

27. (Original)

The support mechanism of claim 26 wherein the first support arm extends upwardly and generally in a first direction from the platform when the first support arm is in its deployed position, and wherein the second support arm extends upwardly and

generally in an opposite second direction from the pivot bracket when the second support arm is in its deployed position.

28. (Original)

The support mechanism of claim 23 wherein an angle defined by the first and second support arms increases from about zero degrees when the first and second support arms are in their respective stowed positions to more than 180 degrees as the first and second support arms are moved toward their respective deployed positions.

29. (Original)

The support mechanism of claim 23 wherein at least one of the base member and pivot bracket includes a first stop member that engages against the first support arm to prevent pivoting movement of the first support arm beyond its deployed position, and wherein an angle between the support surface and first support arm increases from about zero degrees when the first support arm is in its stowed position to more than 90 degrees as the first support arm is moved toward its deployed position, whereby the first support arm is held in its deployed position against the first stop by gravity.

30. (Original)

The support mechanism of claim 29 wherein at least one of the pivot bracket and load-supporting platform includes a second stop member that engages against the second support arm to prevent pivoting movement of the second support arm beyond its deployed position, and wherein an angle between the load-supporting platform and second support arm increases from about zero degrees when the second support arm

is in its stowed position to more than 90 degrees as the second support arm is moved toward its deployed position, whereby the second support arm is held in its deployed position against the second stop by gravity.

31. (Original)

The support mechanism of claim 23 wherein the first support arm extends upwardly and generally in a first direction from the platform when the first support arm is in its deployed position, and wherein the second support arm extends upwardly and generally in an opposite second direction from the pivot bracket when the second support arm is in its deployed position, and wherein the support mechanism further comprises a lanyard with a first end connected to at least one of the first support arm, second support arm and pivot bracket, the lanyard being adapted to transmit tensile force between the first end and a distal second end, whereby application of a tensile force to the distal second end of the lanyard generally in the second direction causes the first and second support arms to move back to their respective stowed positions.

32. (Original)

The support mechanism of claim 23 wherein the base member is connected to the support surface in a manner to permit rotating movement of the support mechanism about a generally vertical axis.